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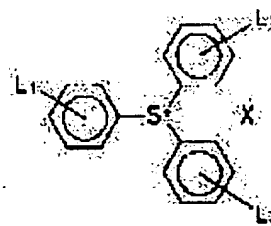
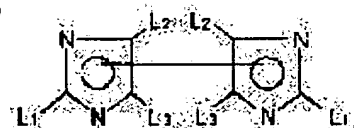
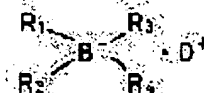
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(54) IMAGE FORMING SHEET, IMAGE FORMING METHOD USING SAME AND SIMPLE PROOF OBTAINED BY SAME

(57)Abstract:

PROBLEM TO BE SOLVED: To easily form a color image from a digital signal at a low cost by incorporating a shelf stabilizer consisting of a disimidazole compd. and a tri (substd.)phenylsulfonium salt each having a specified structure and a dye complex type photopolymn. initiator into a photosensitive layer.

SOLUTION: This image forming sheet has a photosensitive layer consisting essentially of a coloring material, a polymerizable compd. having an ethylenically unsatd. group, a hot-adhesive binder made of an org. polymer having no photopolymerizability and a photopolymn. initiator made of a complex of a near IR absorbing cationic dye with a borate anion represented by formula I on the substrate and a shelf stabilizer consisting of a bisimidazole compd. represented by formula II and a tri(substd.)phenylsulfonium salt represented by formula III is contained in the photosensitive layer. In the formula I, D⁺ is a cationic dye having light absorption in a near IR region and each of R₁-R₄ is a residue such as alkyl or aryl. In the formula II, each of L₁-L₃ is aryl or substd. aryl. In the formula III, X⁻ is an arbitrary anion such as BF₄⁻ or PF₆⁻ and each of L₁-L₃ is H or an arbitrary substituent.



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